



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/700,259
Source: PCT/09
Date Processed by STIC: 11/2/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/700,259
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 3 rd amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input checked="" type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/700,259

DATE: 01/02/2002
TIME: 09:12:28

Input Set : A:\Margison.ST25.txt
Output Set: N:\CRF3\01022002\I700259.raw

5 <110> APPLICANT: Margison, Geoffrey
7 Marples, Brian
9 Scott, Simon
11 Hendry, Jolyon
15 <120> TITLE OF INVENTION: Gene Therapy Vectors and Their Use in Antitumor Therapy
19 <130> FILE REFERENCE: 40432/275388
23 <140> CURRENT APPLICATION NUMBER: US/09/700,259
23 <141> CURRENT FILING DATE: 2000-11-14
23 <160> NUMBER OF SEQ ID NOS: 12
27 <170> SOFTWARE: PatentIn version 3.0
31 <210> SEQ ID NO: 1
33 <211> LENGTH: 10
35 <212> TYPE: DNA
37 <213> ORGANISM: synthetic construct
41 <400> SEQUENCE: 1
42 ccttatttgg 10
45 <210> SEQ ID NO: 2
47 <211> LENGTH: 69
49 <212> TYPE: DNA
51 <213> ORGANISM: synthetic construct
55 <400> SEQUENCE: 2
56 gatctcctta tttggcctta tttggcctta tttggcctta tttggcctta tttggcctta 60
58 ttggcgtat 69
61 <210> SEQ ID NO: 3
63 <211> LENGTH: 64
65 <212> TYPE: DNA
67 <213> ORGANISM: synthetic construct
71 <400> SEQUENCE: 3
72 ggccaaata aggccaaata aggccaaata aggccaaata aggccaaata aggccaaata 60
74 agga 64
77 <210> SEQ ID NO: 4
79 <211> LENGTH: 48
81 <212> TYPE: DNA
83 <213> ORGANISM: synthetic construct
87 <400> SEQUENCE: 4
88 gatcttatt tggcattatt tggcattatt tggcattatt tggcgtat 48
91 <210> SEQ ID NO: 5
93 <211> LENGTH: 44
95 <212> TYPE: DNA
97 <213> ORGANISM: synthetic construct
101 <400> SEQUENCE: 5
102 cgccaaata aggccaaata aggccaaata aggccaaata agga 44
105 <210> SEQ ID NO: 6
107 <211> LENGTH: 36
109 <212> TYPE: DNA
111 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 6

Does Not Comply
Corrected Diskette Needed

see item 10 on Error Summary Sheet

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/700,259

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Input Set : A:\Margison.ST25.txt
Output Set: N:\CRF3\01022002\I700259.raw

116 tccagatctc ccgggtcgct ctcacggtcc ctgagg	36
119 <210> SEQ ID NO: 7	
121 <211> LENGTH: 32	
123 <212> TYPE: DNA	
125 <213> ORGANISM: Homo sapiens	
129 <400> SEQUENCE: 7	
130 cggcgcgcgg ctggatctct cgcgactccc cg	32
133 <210> SEQ ID NO: 8	
135 <211> LENGTH: 42	
137 <212> TYPE: DNA	
139 <213> ORGANISM: Homo sapiens	
143 <400> SEQUENCE: 8	
144 actgcgatcg cggggccgcgc cggggccgca tcccgaggccc cc	42
147 <210> SEQ ID NO: 9	
149 <211> LENGTH: 26	
151 <212> TYPE: DNA	
153 <213> ORGANISM: Homo sapiens	
157 <400> SEQUENCE: 9	
158 ccatcgatat ggcttcgtac cccggc	26
161 <210> SEQ ID NO: 10	
163 <211> LENGTH: 40	
165 <212> TYPE: DNA	
167 <213> ORGANISM: Homo sapiens	
171 <400> SEQUENCE: 10	
172 aaggaaaaaa gcggccgcct cttccgtgt ttcagtttagc	40
175 <210> SEQ ID NO: 11	
177 <211> LENGTH: 83	
179 <212> TYPE: DNA	
181 <213> ORGANISM: Homo sapiens	
185 <400> SEQUENCE: 11	
186 gatcttagggc cggacgtggg gccccgtagg cacgctgagt gcgtgcggga ctggagtac	60
188 gtgacggagc cccgcgtatgc gat	83
191 <210> SEQ ID NO: 12	
193 <211> LENGTH: 77	
195 <212> TYPE: DNA	
197 <213> ORGANISM: Homo sapiens	
201 <400> SEQUENCE: 12	
202 cgcacatcgccgg ggctccgtca cgtactccga gtcccgacg cactcagcgt gcctacgggg	60
204 ccccacgtcc ggcctta	77

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/700,259

DATE: 01/02/2002
TIME: 09:12:29

Input Set : A:\Margison.ST25.txt
Output Set: N:\CRF3\01022002\I700259.raw

L:23 M:270 C: Current Application Number differs, Replaced Current Application No
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date